

SHTURMAN, L.I.

Practical types of electric motors for oil-well pumps. Energ. bnl.  
no.1:22-29 Ja '54. (MLRA 7:1)

(Electric motors)

*Shturman, L. I.*

AID P - 978

Subject : USSR/Engineering

Card 1/1 Pub. 28 - 1/9

Author : Shturman, L. I.

Title : Mechanical pipe wrenches and their gears

Periodical : Energ. byul., #10, 1-9, 0 1954

Abstract : Construction details and kinematic scheme of action of various mechanical types of pipe coupling wrenches are briefly described. Special attention is given to the electrically or pneumatically-operated Molchanov wrench. The pipe coupling and uncoupling actions of the wrench are studied with the oscillograph. Three oscillograms and 1 diagrammatic arrangement.

Institution : None

Submitted : No date

SHTURMAN, L. I.

AID P - 1886

Subject : USSR/Electricity

Card 1/2 Pub. 28 - 3/5

Author : Shturman, L. I.

Title : ~~On efficiency of electric drive used for drilling oil wells~~  
On efficiency of electric drive used for drilling oil wells

Periodical : Energ. byul, no.3, 22-25, Mr 1955

Abstract : Analysing the articles of this title by T. Z. Portnoy and M. G. Yun'kov; published in this journal (no.1, 1955) and by Sulkhanishvili, I. N. and Shkol'nikov, B. M., published in this journal (no.2, 1955), the author presents his conclusions and suggests that: 1) the improvement recommended in both articles to be made in electric drives should be implemented as soon as possible;  
2) the driving mechanisms should suit the DC motors as closely as possible;  
3) controlled gas-tube rectifiers and inverters should be introduced for DC and induction drives.

Energ. byul., no.3, 22-25, Mr 1955

AID P - 1886

Card 2/2      Pub. 28 - 3/5

Institution : None

Submitted : No date

SHTURMAN, L.I.

DUT system for remote control of fuel feed for V<sub>2</sub>-300A diesels  
operating together. Energ.biul.no.12:1-6 D '56. (MIRA 10:1)  
(Diesel engines) (Remote control)

SHTURMAN, L.I., kand.tekhn.nauk

Gas-turbine electricdrives for drilling units. Izobr.v SSSE  
2 no.10:16-17 0 '57. (MIRA 10:11)  
(Oil wells--Equipment and supply)

SHTURMAN, L.I.

The 5-DE experimental diesel electric drill. Energ.biul.  
no.7:11-20 J1 '57. (MLRA 10:7)  
(Oil well drilling) (Diesel engines)

AUTHOR: Shturman, L.I.

90-58-6-1/7

TITLE: Some Features of Electro-Mechanical and Hydrodynamic Transmissions in Driving Drilling Mechanisms (O nekotorykh osobennostyakh elektromashinnykh i gidrodinamicheskikh peredach v prirode burovykh mekhanizmov); Results of the First Comparative Tests Under Industrial Conditions (Rezultaty pervykh sopostavitel'nykh ispytaniy v promyshlennykh usloviyakh)

PERIODICAL: Energeticheskiy Byulleten', 1958, Nr 6, pp 1-11 (USSR)

ABSTRACT: The author discusses the uses and advantages of various types of transmissions between the drive source and the working mechanisms of drilling rigs. The normal diesel-mechanical transmission with gears is contrasted with the electro-mechanical (generator-engine) and the hydrodynamic (turbo-transformer). Tests under industrial conditions were carried out with a 5 DE drilling rig coupled to a DEB-1 diesel-electric transmission, a 5 DTP rig with TP-2-300 hydraulic transmission and a 5 D rig with diesel-mechanical drive. Graphs showing the changes in the average speed of the hoist were drawn up. Performance and characteristics of the different assemblies are discussed and some improvements suggested. The test results

Card 1/2



Some Features of Electro-Mechanical and Hydrodynamic Transmissions in  
Driving Drilling Mechanisms

90-58-6-1/7

indicate that the use of a reduction transmission (electric or hydraulic) in the drive to the drilling winch greatly increases the productivity of the hoist system and improves the operating conditions of the engines. Their use in the drive to the rotor helps to solve some constructional snags while in the case of drilling pumps it is best to use a smoothly governed drive with limited torque, though a hydraulic and electric reduction transmission is justified in several special cases. There is 1 block-diagram, 10 graphs, 1 table and 2 Soviet references.

Card 2/2

1. Drilling machines-Equipment
2. Hydraulic transmission-Test results
3. Mechanical transmission-Test results
4. Generator set-Diesel engine-Test results

BOGDANOV, A.A.; TISHCHENKO, N.A.; SHTURMAN, L.I.

Review of K.N. Kulizade's book "Electric equipment in petroleum production." Elektrichestvo no. 12:87-88 D '60. (MIA 14:1)

(Oil fields—Electric equipment)

SHTURMAN, L.I., kand.tekhn.nauk; SUD, I.I., inzh.

Using combined-type generators in diesel-electric drilling  
rigs. Trudy Gipromneftemasha.Nefteprom.delo no.1:18-20 '61.  
(MIRA 15:8)

(Oil well drilling rigs--Electric equipment)

MOGILEVSKIY, V.G. (Moskva); SUD, I.I. (Moskva); SHTURMAN, L.I. (Moskva)

Electromagnetic power brakes for drilling winches. Elektrichestvo  
no.10:70-74 0 '63. (MIRA 16:11)

ZAMANSKIY, Mikhail Abramovich, dots.; SUD, Isaak Izrailevich,  
kand. tekhn. nauk; SULKHANISHVILI, Ivan Nikolayevich,  
kand. tekhn. nauk; TARASOV, Dmitriy Aleksandrovich, dots.;  
SHKOL'NIKOV, Bernard Markovich, kand. tekhn. nauk;  
SHTURMAN, Leonid Isayevich, kand. tekhn. nauk; STOTSKIY,  
L.R., kand. tekhn. nauk, dots., red.;

[Electric equipment for oil and gas fields] Elektronoboru-  
dovanie neftiannykh i gazovykh promyslov. Moskva, Izd-vo  
"Nedra," 1964. 303 p. (MIRA 17:7)

1. SHUTURMAN, S.
  2. USSR (600)
  4. Coal Mines and Mining
  7. Use of truck transportation in coal industry, no. 3, 1953.
9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

SMUT'N, S. KH.

33412. Navesti Poryadok V Ispol'zovanii Neftetopliva Na Sudakh Morskogo Flota.  
Za Ekonomiyu Topliva, 1949, NO. 10, c. 19-20.

SO. Letipis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

ACCESSION NR: AT4042333

S/2877/63/002/000/0151/0161

AUTHORS: Makhmudov, Yu. A.; Posternak, Ya. I.; Shturman, Ya. I.

TITLE: On some ways of improving the external memories of computers

SOURCE: AN AzerbSSR. Vy\*chislitel'ny\*y tsentr. Trudy\*, v. 2, 1963, 151-161

TOPIC TAGS: computer memory, magnetic storage, magnetic tape, digital computer

ABSTRACT: The article deals with the use of a group of external magnetic-tape memories to supplement the information that must be stored in the internal operative memory. The system consists of two standard tape recorders (MEZ-15 and MEZ-28A), so modified that control pulses can be used to turn the motors on and off and to reverse the motor. The motors operate at 762 mm per second in both directions. Standard type-II tape is used and the recording density

1/3



ACCESSION NR: AT4042333

is four pulses per millimeter. This ensures reading and writing of 3000 pulses per second. Sequential reading is used, and the writing of each code position is accompanied by a synchronizing pulse. The synchronizing pulses are recorded on a separate track. A gap of three synchronizing pulses is left between words. The control of the external memories can be either automatic (programmed) or manual (from the panel) and consists of the operations of writing, direct reading, backward reading, backward search before reading, direct search before reading, forward search before writing, reverse search before writing. The operation of the control system is described in detail. The operation has shown good results, with provision made for monitoring, indicating the end of the tape, different types of search, etc. Whatever breakdown occurred was due to poor tape quality. The control system was developed jointly by a member of the Azerbaydzhan Academy Computation Center (Yu. A. Makhmudov) and members of the Electric Analog Laboratory of VINITI AN SSSR (Ya. I. Shturman and Ya. I. Posternak) and was built in the

2/3

ACCESSION NR: AT4042333

latter institution for the LEM-1-24 computer. Orig. art. has:  
3 figures.

ASSOCIATION: Vy\*chislitel'ny\*y tsentr AN AzerbSSR (Computation  
Center AN AzerbSSR); VINITI AN SSSR

SUBMITTED: 00

ENCL: 00

SUB CODE: DP

NR REF SOV: 005

OTHER: 000

3/3

L 48601-65 EWT(d)/EED-2/EWP( ) Pg-4/Pg-4/Pr-4 IJP(c) BB/GG

ACCESSION NR: AP5007986

UR/0315/65/000/001/0029/0031

AUTHOR: Shturman, Ya. P.

TITLE: A device for reading and printing <sup>160</sup> alphanumeric information from punched cards (USP 1) <sup>23</sup><sub>B</sub>

SOURCE: Nauchno-tehnicheskaya informatsiya, no. 1, 1965, 29-31

TOPIC TAGS: programming, data processing, computer, computer input device, computer output device, printing, punched card / USP-1 punched card unit, Ural 4 computer

ABSTRACT: The author describes the USP-1 machine for reading alphanumeric information from punched cards and printing decoded information on printer rolls. The device is undergoing development at the Laboratoriya Elektromodelirovaniya VINITI AN SSSR (Laboratory of Electro-Simulation, VINITI, AN SSSR). Code forms, compatible with those used for the Ural-4 computer, are shown in a table. About 200 standard ferrite-diode modules are used in the reader-printer control system construction. The following functions are performed by the device: 1) automatic feeding and relay of punched cards, 2) printing of alphanumeric text, 3) resetting of information registers and typewriter carriage return, as designated by

Card 1/2

L 48601-65  
ACCESSION NR: AP5007986

the proper control codes on punched cards. Otherwise, carriage return is caused by printing in the right-most field of the typewriter paper roll. Reliability controls are installed to stop printing and reading in case of certain malfunctions. The device is capable of handling both Russian and Latin text characters, plus selected Greek letters, Arabic and Roman numerals, punctuation marks, arithmetic and other symbols, for a total of 86 characters in all. The same character dictionary is used in both input and output modes. Printer speed is 10 characters per second. The typewriter paper roll is 170 characters wide, and the total length of the roll is 50 meters. A block diagram of the functional units of the device is given. Orig. art. has: 1 table and 1 figure.

ASSOCIATION: none

SUBMITTED: 24Oct64

NO REF SOV: 003

ENCL: 00

OTHER: 000

SUB CODE: DP

Card 2/2

1. 40831-65 EWT(d)/EEC(k)-2/EEC-4/EEC(f)/EPR/EEED-2/EWP(1) Pk-4/Pn-4/Pq-4/  
Pg-4/Ps-4/Pk-4/Pl-4 LJP(c) BB/WW/GG S/0315/65/000/001/0029/0031  
ACCESSION NR: AP5007986

AUTHOR: Shturman, Ya. P.

TITLE: A device for reading and printing alphanumeric information from punched cards (USP 1) 16C

SOURCE: Nauchno-tehnicheskaya informatsiya, no. 1, 1965, 29-31

TOPIC TAGS: programming, data processing, computer, computer input device, computer output device, printing, punched card / USP 1 punched card unit, Ural 4 computer 16

ABSTRACT: The author describes the USP-1 machine for reading alphanumeric information from punched cards and printing decoded information on printer rolls. The device is undergoing development at the Laboratoriya Elektronizirovaniya VINITI AN SSSR (Laboratory of Electro-Simulation, VINITI, AN SSSR). Code forms, compatible with those used for the Ural-4 computer, are shown in a table. About 200 standard ferrite-diode modules are used in the reader-printer control system construction. The following functions are performed by the device: 1) automatic feeding and relay of punched cards, 2) printing of alphanumeric text, 3) resetting of information registers and typewriter carriage return, as designated by

Card 1/2

L 40831-65

ACCESSION NR: AP5007986

the proper control codes on punched cards. Otherwise, carriage return is caused by printing in the right-most field of the typewriter paper roll. Reliability controls are installed to stop printing and reading in case of certain malfunctions. The device is capable of handling both Russian and Latin text characters, plus selected Greek letters, Arabic and Roman numerals, punctuation marks, arithmetic and other symbols, for a total of 86 characters in all. The same character dictionary is used in both input and output modes. Printer speed is 10 characters per second. The typewriter paper roll is 170 characters wide, and the total length of the roll is 50 meters. A block diagram of the functional units of the device is given. Orig. art. has: 1 table and 1 figure.

ASSOCIATION: none

SUBMITTED: 24Oct64

ENCL: 00

SUB CODE: DP

NO REF SOV: 003

OTHER: 000

Card 2/2

SHURMAN, Ya.P.; TSIBROV, M.A.; KUZNETSOV, B.A.

Apparatus for programmed composition. NTI no.12:55-60 '65.  
(MFA 19:1)

SHTURMIN, V.G. (R. Shturmin, V.G.) (P. Shturmin, V.G.)

Preparation of charts for the transportation of agricultural products. Zhel.dor. zhensk. 47 no.9:53-57 S 165.

(MIRA 18.9)

1. Nachal'nik sluzhby voprosov shozyaystva Severi-Kavkazskoy dorogi (for Shturmin). 2. Nachal'nik proizvodstvennogo otdela depa Tikhoretskaya (for Rudovskiy).



*SHTURMIN, V.G.*

DZHAFAROV, A.A. (Baku); ZAVEL'SKIY, D.Ya. (Baku); SHTURMIN, V.G.; BADAL'YANTS.

Using gas in steam and diesel locomotives. Zhel. dor. transp. 40  
no.2:45-51 P '58. (MIRA 11:3)

1. Nachal'nik Azerbaydzhanskoy zheleznoy dorogi (for Dzhafarov).
2. Nachal'nik otdela motorno-rel'sovogo transporta Azerbaydzhanskoy zheleznoy dorogi (for Zavel'skiy).
3. Nachal'nik tekhnicheskogo otdela Severo-Kavkazskoy dorogi (for Shturmin).
4. Nachal'nik tekhnicheskogo byuro Krasnodarskogo otdeleniya Severo-Kavkazskoy dorogi (for Badal'yants).

(Locomotives) (Gas as fuel)

SHTURMEN, V.G. (B. 1914-1982)

Multiple-group method for the inspection and repair of cars. Zhel.  
dor.transp. 46 no. 5: 1968 5: 164. (MIRA 17419)

1. Nachal'nik vagonnoy sluzhby Severo-Kavkazskoy dorogi.

2A 10

Availability of phosphorus for plants in connection with various periods and conditions of interaction of fertilizers with the soil. P. A. Dmitrenko and V. S. Shurmov. *Doklady Akad. Nauk S.S.S.R.* 76, 447-50(1961).—A review with 16 references. With meadow-chernozem soil cultures fertilized either directly before planting or 7 months previously, it was shown that with adequate watering no difference in P availability exists between the 2 variants, although the 7-month soil gives somewhat slower initial plant growth. If the soil is 100% satd. with  $H_2O$ , however, the 7-month-old P fertilizer is more available to the plants as shown by more luxuriant growth and P content of the plants. P was used as the 20%  $P_2O_5$  form of superphosphate. G. M. K.

1957

DMITRENKO, P.A.; SHTURMOVA, V.S.

Peculiarities of the distribution of phosphorus in the horizons of solonchaks  
in the south of the Ukrainian S.S.R. Pochvovedenie '53, No.2, 60-9.  
(CA 47 no.21:11625 '53) (MLBA 6:3)

1. Ukrain. Sci.-Research Inst. Socialist Agr., Kiev.

DNYTRENKO, P.O.; SHTURMOVA, V.S.; VLASYUK, P.A., diisnyi chlen Akademiyi nauk URSR.

Effectiveness of phosphorus and nitrogen depending on their location in relation to the plant root. Dop.AN URSR no.4:244-248 '53. (MLRA 6:8)

1. Ukrayins'kyi naukovo-doslidnyi instytut sotszemlerobstva. 2. Akademiya nauk URSR (for Vlasjuk).

(Plants, Effect of nitrogen on) (Plants, Effect of phosphorus on)

SHTURMOVA, V. S.

P O L O N

Effect of the duration of the interaction of superphosphate with the soil on the availability of phosphorus to the plant. P. A. Dmetriyenko and V. S. Shturmova (*Pochvovedenie*, 1954, No. 3, 33-43).—In pot tests with a variety of soil types the effect of superphosphate, applied 217, 370, and 537 days before sowing, on growth of millet and oats, on available P in soil ( $\text{CO}_2$  and acetic acid extraction methods), on  $\text{NO}_3^-$  and  $\text{NH}_4^+$  in soil and on the residual effect on subsequent crops of clover or maize, is examined.

SOILS & FERT. (A. G. P.).

DMITRENKO, P.A.; SHTURMOVA, V.S.

Effect of the size of superphosphate granules on the availability  
of phosphorus to plants. Pochvovedenie no.10:33-35 0 '56.  
(MDRA 10:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut sotsialisticheskogo  
zemledeliya.  
(Phosphates) (Plants--Nutrition)

COUNTRY : USSR  
CITIZENSHIP : Cultivated Plants. Grains. Leguminous Grains.  
Tropical Cereals.  
JOURNAL : Ref Zhur-Biologiya, Vol. 1, 1959, No. 1638  
Author : Shenikova, T.S.  
TITLE : On the Detection of Phosphorus in the Corn  
Plant under Various Feeding Conditions.  
ORIG. PUB. : Byul. nauk. Inform. po zerluchstvu, 1953,  
No. 1, 29-31  
ABSTRACT : No abstract.

CARD : 1/1

58



DMITRENKO, F.A.; TOMASHEVSKAYA, Ye.G.; SHTURMOVA, V.S.

Characteristics of the phosphorus nutrition of cereal and  
leguminous plants at the beginning of their growth. Fiziol.  
rast. 10 no.2:142-147 Mr-Apr '63. (MIRA 16:5)

1. Ukrainian Scientific Research Institutes of Agriculture.  
(Plants, Effect of phosphorus on) (Grain) (Legumes)

SHILROV, S.

Electricity in Agriculture

Electrification of the socialist agriculture. Vop. ekon. no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

SHTURSA, S.

POLAND/Chemical Technology - Dyeing and Chemical Processing  
of Textiles.

H-34

Abs Jour : Ref Zhur - Khimiya, No 12, 1958, 41876

Author : Shtursa, Shmid.

Inst :

Title : Dyeing in the Hat Industry.

Orig Pub : Textil, 1956, 11, No 4, 117.

Abstract : In order to obtain uniform dyeing of rabbit fur treated with a mordant, acid dyes are specifically recommended, which dyes contain one sulfo group in the molecule, i.e., blue Alizarin light fast A 2b, Rg, BRP, and KR, Alizarin-astrol B, acid blue O and others. Red-Alizarin-Rubinol R, Azorubinol 6B, 3GP, Supramine red 6 BL and B; yellow: Supramine Yellow R, Erioflavin 3G and 3 GNP, Mylene Yellow Light Fast 2 GP and RPN.  
When one used dyes that contain two sulfo groups, or

Card 1/2

MAYLIYAN, L. M.; GASANOV, A. S.; PIPIK, O. G.; ZOKHRABBYEKOV, Z. S.;  
MAKHMUDBEYEV, L. A.; SHTUSS, A. A.; NADZHAROV, A. G.

30 Years of scientific, medical and pedagogic activity of  
I. S. Ginzburg. Khirurgiya, Moskva no.7:86-87 July 1951.  
(CIML 21:1)

1. Honored Worker in Science, Professor. 2. Chief Oncologist  
Azerbaijani SSR attached to the Ministry of Public Health,  
Member of the Central Committee of the Red Crescent,  
Chairman of the Oncological Section of Azerbaijani Medical  
Society, Member of the Learned Medical Council of the  
Ministry of Public Health of the Republic.

SHTUSS

USSR/Human and Animal Morphology. Digestive System.

S-1

Abs Jour: Referat. Zh.-Biol., No 1, 10 January, 1958, 2809

Author : Shtuss

Inst :

Title : "Soft Tissue Sign" in the Roentgenologic Diagnosis of Diseases of the Pharynx and Cervical Portion of the Esophagus

Orig Pub: Vopr. Rentgenol. i Radiologii. M., Medgiz, 1955, 207-211

Abstract: The thickness of the postpharyngeal soft tissue ("soft tissue sign"), determined roentgenologically, facilitates a more accurate diagnosis of inflammatory processes and neoplasms in the regions of the pharynx and cervical portion of the esophagus.

Card : 1/1

-1-

SHTUSS, A.A., dotsent

Seventh All-Union Congress of Roentgenologists and Radiologists.  
Azerb.med.zhur. no.3:84-86 Mr '59. (MIRA 12:6)  
(RADIOLOGY, MEDICAL--CONGRESSES)

SHTRUSS, A.A., dotsent (baku, ul.L.Shmidta, d.17, kv.13); BEYBUTOV, Sh.  
~~M., nauchnyy sotrudnik~~

Roentgenological changes in the lungs after telegammatherapy for  
cancer of the esophagus. Vest. rent. i rad. 35 no. 5:30-34  
My-Je '60. (MIRA 14:2)

1. Iz Nauchno-issledovatel'skogo instituta rentgenologii i  
radiologii Ministerstva zdravookhraneniya Azerbaydzhanskoy  
SSR (direktor - dotsent M.M. Alikishibekov).  
(LUNG). (ESOPHAGUS—CANCER) (RADIATION SICKNESS)

SHAKOV, I.I., dotsent; SHTUSS, A.A., dotsent; ASLANOV, T.T., nauchnyy  
sotrudnik

X-ray diagnosis of pericardial cysts. Azerb. med. zhur. 42 no.  
10: 33-38 0 '65 (MIRA 19:1)

1. Iz Instituta usovershenstvovaniya vrachey (rektor - kand.  
med. nauk B.M. Agayev) i Instituta rentgenologii, radiologii i  
onkologii Ministerstva zdavookhraneniya Azerbaydzhanskoy  
SSR (direktor - doktor med. nauk M.M. Alikishibekov). Submitted  
November 26, 1964.



SHFUTIN, A.Ya.

Intra-ossal anesthesia in surgery on the extremities. Ortop.,  
travm. i protez. no.6:67 N-D '55. (MLRA 9:12)

1. Iz Stalinskoy oblastnoy travmatologicheskoy bol'nitsy.  
(ANESTHESIA) (EXTREMITIES (ANATOMY)—SURGERY)

СИТУАЦИЯ  
SHTUTIN, A.Ya.

Development of adducted contractures of shoulder joints following myocardial infarction. Ortop.travm. i protez. 18 no.3:62-63 My-Je '57.  
(MIRA 10:9)

1. Iz Stalinskoy oblastnoy travmatologicheskoy bol'nitsy (glavnyy vrach - zasluzhennyy vrach USSR F.G.Dubrova)

(MYOCARDIAL INFARCT, compl.

adduction contracture of shoulder joints)

(SHOULDER, dis.

adduction contracture caused by myocardial infarct)

(CONTRACTURE

adduction contracture of shoulder joint caused by myocardial infarct)

SHTUTIN, A. Ya., Cand Med Sci -- (diss) "Intra-osteal anesthetization with novocaine in surgical interventions in connection with damages and ailments of the extremities." Stalino, 1959. 20 pp; (Stalino State Medical Inst im A. M. Gor'kiy, Stalino Oblast' Traumatological Hospital, Stalino Scientific Research Inst of Traumatology and Orthopedia); 220 copies; price not given; (KL, 22-60, 145)

SHTUTIN, A.Ya.

Intraosseous anesthesia with novocaine in surgical interventions  
in injuries and diseases of the extremities. Ortop., travm.i  
protez. 21 no.1:31-37 Ja '60. (MIRA 13:12)  
(EXTREMITIES (ANATOMY)—SURGERY) (LOCAL ANESTHESIA)

KHAVKIN, M.L.; SHTUTIN, A.Ya.; LEVITSKIY, F.A.; TRIFONOVA, A.D.

Mikhail Vasil'evich Khoenko; on his 60th birthday. Ortop. travm.  
i protez. 21 no. 9:78 S '60. (MIRA 13:12)  
(KHOVENKO, MIKHAIL VASIL'EVICH, 1900-)

SHTUTIN, A. Ya.

Changes in the bone marrow in intraosseous anesthesia with novocaine  
solutions of various concentrations. Ortop., travm. i protez. 21  
no. 11:55-58 '60. (MIRA 14#4)  
(NOVOCAINE) (MARROW)

SHTUTIN, A. Ya.

Intraosseous anesthesia in surgical treatment of osteoarticular tuberculosis of the extremities. Probl. tub. no.7:117 '61.  
(MIRA 14:12)

1. Iz kafedry ortopedii i travmatologii (zav. - dotser<sup>+</sup> M. V. Khovenko) Stalinskogo meditsinskogo instituta imeni A. M. Ganichkin) Stalinskoy oblastnoy travmatologicheskoy bol'nitsy (glavnyy vrach - kandidat meditsinskikh nauk T. A. Revenko) i Stalinskogo nauchno-issledovatel'skogo instituta travmatologii i ortopedii (dir. - kandidat meditsinskikh nauk T. A. Revenko)

(BONES—TUBERCULOSIS) (ANESTHESIA)  
(EXTREMITIES(ANATOMY)—(SURGERY)

SHTUTIN, A.Ya., kand.med.nauk

Chondroma of the transverse process of the third lumbar vertebra.  
Ortop., travm. i protez. 23 no. 5: 81-82 My '62. (MIRA 15:11)

1. Iz kafedry ortopedii i travmatologii (zav. - dotsent M.V. Khovenko) Donetskogo meditsinskogo instituta im. A.M. Gor'kogo (rektor - dotsent A.M. Ganichkin) i Instituta travmatologii, ortopedii i protezirovaniya (dir. - kand.med.nauk T.A. Revenko).  
(VERTEBRAE--TUMORS)



SHTUTIN, A.Ya., kand.med.nauk (Donetsk 50, Universitetskaya ul., d.55, kv.39);  
ANDRIYENKO, Ye.K.

Surgical treatment of clavicular dislocations. Ortop., travm. i  
protez. 25 no.7:55 JI '64. (MIRA 18:8)

1. Iz kafedry ortopedii i travmatologii (zav. - prof. M.V.  
Khovenko) Donetskogo meditsinskogo instituta imeni Gor'kogo  
(rektor - prof. A.M.Ganichkin) i Donetskogo instituta travmatologii  
i ortopedii (dir. - starshiy nauchnyy sotrudnik T.A.Revenko).

TUMILOVICH, N.I.; SHTUTIN, I.M.

Interpreting reflection from the underlying horizons of salt  
domes in the Caspian Depression. Razved. i prom. geofiz.  
no.37:22-28 '60. (MIRA 14:3)

(Emba Valley--Seismic prospecting)  
(Salt domes)

RYUMIN, V.; SHTUTMAN, F.

Combination semitrailers. Avt.transp. 39 no.4:42 Ap '61.  
(MIRA 14:5)  
(Truck trailers)

SHTUTMAN, L.D.

Contribution of Konstantinovka chemists. Nauka i zhyttia 9  
no.6:22-24 Ja '59. (MIRA 12:8)

1. Ispolnyayushchiy obyazannosti glavnogo inzhenera Konstantinovskogo khimicheskogo zavoda im. Stalina, Stalinskaya oblast'.  
(Konstantinovka--Chemical plants)

SHTUTMAN, M.B., inzh.; CHAKHMAKYAN, R.A., inzh.

Unit for over-all mechanization of cable-laying operations. Mont.  
i spets. rab. v stroi. 24 no.5:20-22 My '62. (MIRA 15:5)

1. Rostovskoye upravleniye promsvyaz'montazh.  
(Electric cables) (Excavating machinery)

**Determination of copper in steels with the aid of the spectroscope.** P. D. Korsh and M. N. Shitman (Magnitorsk Metallurgical Combine). *Zavodskaya Lab.* 18, 104-11 (1947).—A 230-v. d.-c. arc at 3 amp. was used for excitation. The sample acted as anode; the cathode was an Fe rod. After a 2-min. pre-arc, the Cu line at 5105.0 Å (1) was compared with the Fe lines at 5007.0 Å (2), 5089.7 Å (3), 5107.6 Å (4), and 5127.4 Å (5), and the Cu at 5153.2 Å (6) with Fe at 5151.9 Å (7). For Cu,  $1 > 2$  and  $0 < 7$ ; for 0.10% Cu,  $1 \leq 2$ ; for 0.18% Cu,  $1 > 2$  and  $0 < 7$ ; for 0.22% Cu,  $1 \leq 2$  and  $0 < 7$ ; for 0.28% Cu,  $1 = 2$  and  $0 < 7$ ; for 0.42% Cu,  $1 > 3$  and  $0 < 7$ ; for 0.50% Cu,  $1 > 3$  and  $1 < 4$ ; for 0.57% Cu,  $1 \leq 4$  and  $1 > 2$ . Agreement with chem. analysis was excellent. C. F.

C. F.

METALLURGICAL LITERATURE CLASSIFICATION

1000 11/11/11

183-33 418 GUY CAC

834437000

U 354 000178

821117 CXX CND 151

| 1ST AND 2ND GROUES  |  | PROCESSES AND PROPERTIES INDEX | 3RD AND 4TH GROUES |
|---|--|--------------------------------|--------------------|
| CA  |  |                                | 19                 |
| <p>Spectroscopic determination of sodium in fireclay and in clays. P. D. Korzh and M. N. Shitman (Magnitogorsk Metallurg. Combine). <i>Zerodikaya Lab.</i> 13, 441-7 (1947).—In 3- and 8-amp. arcs, 10- and 20-mg. samples of fireclays and clays emitted the Na<sub>2</sub> doublet in discontinuous flashes over the whole duration of the evapn. of Na (5-6 min.). Single uninterrupted emission, suitable for quant. detn., is obtained by mixing the material with CaSO<sub>4</sub> (1:1 to 1:4); provided the ingredients are mixed intimately, Ca lines will appear only after the Na emission is over; this takes place at the very beginning of the evapn. and its duration <math>\tau</math> gives the amt. <math>c</math> of Na, e.g. (10-mg. samples), 0.09, 0.18, 0.23, 0.28%, <math>\tau = 12, 18, 23, 29.5</math> sec.; empirically, <math>\log \tau</math> is proportional to <math>c</math>. The material should be dild. with a Na-free slag or SiO<sub>2</sub> to contain 0.1-0.4% Na<sub>2</sub>O. Clay should be preliminarily dehydrated at 500° for 15 min. The uncertainty in the detn. of <math>\tau</math> causes only an error of <math>\pm 0.005\%</math> in Na. However, detns. on clays with known amts. of NaCl added artificially gave results 0.03-0.05% too low; hence, the strict proportionality of <math>\log \tau</math> and <math>c</math> holds only for the chemically bound Na in clays; addn. of sol. Na salts affects primarily the intensity of the line. In mixts. of sol. Na salts with an open-hearth slag, only the intensity varied markedly with the Na content (0.2-0.6%); <math>\tau</math> remained practically const. On the other hand, with mixts. of basic slags (CaO, SiO<sub>2</sub>, and FeO in varying proportions) with Seger cones (13.8% Na<sub>2</sub>O in the form of Na feldspar), the variation of <math>\tau</math> with <math>c</math> (0.2-0.6%) was the same as in clays mixed with CaSO<sub>4</sub>, except that the <math>\tau</math> were shorter. The proportionality between <math>\log \tau</math> and <math>c</math> is characteristic of silicate-bound Na. From comparisons of the effects of slags of various compns., it follows that FeO accelerates evapn. of Na in the arc even more strongly than CaO, whereas SiO<sub>2</sub> tends to slow it down.</p> |  |                                |                    |
| N. Thon   |  |                                |                    |
| ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION   |  |                                |                    |
| 12001 SYMBOL  |  | 12000 HIF GNE                  | 12000 HOF GNE      |
| 12000 HIF GNE   |  | 12000 HOF GNE                  | 12000 HOF GNE      |

PA 53/49T75

USSR/Metals - Minerals

Jul/Aug 48

Metallurgy - Spectrum Analysis

"The Use of Spectrum Analysis in the Magnitogorsk Metallurgical Combine," M. N. Shvutman, Magnitogorsk Mining and Metal Inst, 8 pp

"Iz Ak Nauk SSSR, Ser Fiz" Vol XII, No 4

since 1943. Following methods of spectrum analysis have been devised and introduced at Magnitogorsk. Metal Combine: spectral method for analysis of open-hearth furnace slags with a stylometer, styloscopic method for quantitative determination of copper in special and low-alloy steels, quantitative method of

53/49T75

USSR/Metals - Minerals (Contd)

Jul/Aug 48

determining sodium in chamotte and clays with a styloscope, and styloscopic methods for quantitative determination of manganese, molybdenum, and chromium in steel during the smelting process.

SHVUTMAN, M. N.

53/49T75



PA 159156

SHUTMAN, M. F.

USSR/Metals - Steel  
Spectrum Analysis

Jan 50

"Spectrum Analysis of Small Contents of Nickel in Carbon Steels by the Visual Method," M. N. Shutman, V. I. Ivanov, Gen Izv, Magnitogorsk Metallurgical Combine, 3 pp

"Zavod Lab" Vol XVI, No 1

New method is developed for determination of nickel quantities less than 0.3% under open-hearth shop laboratory conditions. Current--5 amp, permanent electrode-copper rod of 10-mm diameter shaped as

159156

USSR/Metals - Steel (Contd)

Jan 50

truncated cone with small diameter of 3-4 mm, arc gap--3 mm, exposure--30 sec. Method has been used successfully in all laboratories of Magnitogorsk Metallurgical Combine for several months.

159156

USSR/Chemistry - Metallurgy

Card 1/1      Pub. 43 - 46/97

Authors      :    Shtutman, M. N.

Title        :    Use of solutions during spectral determination of admixtures in steel and refractories

Periodical   :    Izv. AN SSSR. Ser. fiz. 18/2, 271-272, Mar-Apr 1954

Abstract     :    Brief announcements are made on the development of methods for the determination of non-metallic inclusions in carbon steel and  $Al_2O_3$ , CaO, MgO admixtures in Dinas brick and in quartzite. In determining inclusions in steel the sample is dissolved in such a way that the non-metallic inclusions (silicates, spinel, free oxides and sulfides) settle in the residue and the metals are transformed into solution. By subjecting the residue to various reagents it becomes possible to separate the nonmetallic inclusions into phase components and then transform them into solution. The same applies to refractories. One USSR reference (1950).

Institution   :    The I. V. Stalin Metallurgical Institute, Magnitogorsk:

Submitted    :    .....

SHUTMAN M.N.

27 27 27  
 1. Spectrographic method of manganese, chromium, silicon, and nickel determination in steel. Shutman and M. V. Neposhevalenko. (Met. Combine. Magnitogorsk). Zashchita Lab. 23, 183-81(1957). — A method is described for spectrum analysis of Mn 0.15-1.3%, Si 0.01-0.5%, Cr and Ni 0.01-0.3% with an error not exceeding 0.03% of Mn in 82.5% of the tests, and an error exceeding 0.04% in only 2.5% of the tests. The total time required to det. the 4 components is 15-20 min. W. M. Sterberg

8  
 AE2C

MT 188

807/4959

PHASE I BOOK EXHIBITION

Ural'skiye soveshchaniye po spektrom

Materialy 2 Ural'skogo soveshchaniya po spektroskopii, Sverdlovsk, 1958 g. (Materials of the Second Ural Conference on Spectroscopy, Held in Sverdlovsk, 1958) Sverdlovsk, Metallurgizdat, 1959. 206 p. Irregularly illustrated. 1,000 copies printed.

Sponsoring Agency: Ural'skiy filial Akademii nauk SSSR. Komissiya po spektroskopii i Ural'skiy dom tekhnicheskoy fiziki.

Editor: A. N. Borisevich, Ural'skiy filial Akademii nauk SSSR, Tekhnicheskaya fizika, Ekaterinburg, Ural'skiy dom tekhnicheskoy fiziki.

NOTE: This collection of articles is intended for research and laboratory workers at ferrous and nonferrous metallurgical plants, and for laboratory personnel of the metal-working industry, geological and prospecting organizations, and similar scientific research laboratories.

CONTENTS: The collection contains papers read at the Second Ural Conference on the spectral analysis of ferrous and nonferrous metals and alloys, slags, ores, agglomerates, and other materials used in the industry. The material of the conference includes articles on the analysis of steel (including the determination of gases), ferroalloys, nonferrous metals and alloys, pure noble metals, etc. The present volume is intended to disseminate the latest experience in working with spectral laboratories, and to report on the results of scientific research. The author thanks R. I. Outkina and Yu. M. Buravlov. Almost all of the articles are accompanied by references.

Ural'skiy filial Akademii nauk SSSR. Komissiya po spektroskopii i Ural'skiy dom tekhnicheskoy fiziki. Spectral Analysis of Silver-Copper Alloys from a Standard of Silver and of any Silver-Copper Alloy 116

Kurason, A. A., R. I. Chertov, and V. D. Ponomarev. Methods of Preparing Standards for the Spectral Analysis of Spontaneous Iridium and Rhodium 125

Pobedova, N. I., A. D. Outkina, I. M. Baturkova, and Z. M. Konyayeva. Spectral Method of Analyzing Refined Iridium and Rhodium 128

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Shutman, M. M., Ye. V. Zvereva, Ye. V. Zvereva, V. M. Shchegoleva, and T. A. Yermakova. Feasibility of Using a Mine Source for the Analysis of Slags and Agglomerates 146

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Ejection of matter from an electrode when using a pulsed light source. Izv.vys.ucheb.zav.; fiz. no.2:174-175 '61. (MIRA 14:7)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Electric discharge lighting)

SHTUTMAN, M.N.; AVDEYENKO, V.P.; SHUL'MAN, V.M.; YEREMEYeva, T.A.

Effect of the quantity of material taken in a sample on the  
accuracy of the analysis in a pulse light source. Izv.vys.ucheb.  
zav.; fiz. no.3:169-171 '61. (MIRA 14:8)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Spectrum analysis)

SHTUTMAN, M.N.

Spectrum analysis of metallurgical slags. Izv. vys. ucheb. zav.;  
chern. met. 4 no.8:178-186 '61. (MIRA 14:9)

1. TSentral'naya laboratoriya Magnitogorskogo kombinata.  
(Slag--Spectra)

SHTUTMAN, M.N.; SHUL'MAN, V.M.; MILYAVSKAYA, Ye.M.; FILIPPOVA, R.A.;  
YEREMEYEVA, T.A.; LUKINA, M.N.

Spectra analysis of iron ore, agglomerate, and blast-furnace  
slag in a "sounding" direct-current arc. Zav.lab. 28 no.11:1330-  
1332 '62. (MIRA 15:11)

1. Magnitogorskiy metallurgicheskiy kombinat.  
(Iron ores--Spectra) (Electric arc)



SHTUTMAN, M. N.

PHASE I BOOK EXPLOITATION

SOV/6181

Ural'skoye soveshchaniye po spektroskopii. 3d, Sverdlovsk, 1960. Materialy (Materials of the Third Ural Conference on Spectroscopy) Sverdlovsk, Metallurgizdat, 1962. 197 p. Errata slip inserted. 3000 copies printed.

Sponsoring Agencies: Institut fiziki metallov Akademii nauk SSSR. Komissiya po spektroskopii; and Ural'skiy dom tekhniki VSNT0.

Eds. (Title page): G. P. Skornyakov, A. B. Shayevich, and S. G. Bogomolov; Ed.: Gennadiy Pavlovich Skornyakov; Ed. of Publishing House: M. L. Kryzhova; Tech. Ed.: N. T. Mal'kova.

PURPOSE: The book, a collection of articles, is intended for staff members of spectral analysis laboratories in industry and scientific research organizations, as well as for students of related disciplines and for technologists utilizing analytical results.

Card 1/54

Materials of the Third Ural Conference (Cont.)

SOV/6181

**COVERAGE:** The collection presents theoretical and practical problems of the application of atomic and molecular spectral analysis in controlling the chemical composition of various materials in ferrous and nonferrous metallurgy, geology, chemical industry, and medicine. The authors express their thanks to G. V. Chentsova for help in preparing the materials for the press. References follow the individual articles.

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Sherstkov, Yu. A., and L. F. Maksimovskiy. Investigation of the dependence of the total intensity of spectral lines on the concentration of elements in an arc-discharge plasma

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SHTUTMAN, M.N.; AVDEYENKO, V.P.; NEUYMIN, Yu.A.; KAS'YANOVA, L.V.; IGNATOVA, M.V.; PEDENKO, V.A.; BUVALITS, A.I.

Precision and reliability of a DFS-10 quantometer at a metallurgical plant. Zav. lab. 31 no.2:247-249 '65. (MIRA 18:7)

1. Magnitogorskiy metallurgicheskiy kombinat.

SHTUTMAN, Ts. M.

Chemical Abstracts  
May 25, 1954  
Biological Chemistry

(2)  
The adenosinetriphosphatase of brain. A. V. Palladin and Ts. M. Shtutman (Inst. Biochem., Acad. Sci. Ukr. S.S.R., Kiev). *Ukrain. Biokhim. Zhur.* 20, 311-20 (in Russian, 320-1) (1948).—Th: adenosinetriphosphatase (I) of brain can be extd. with diitd.  $H_2O$  in the ratio 1:20. Its optimum activity is at pH 7.4-8.0. The activity of I in aq. rabbit-brain exts. at acid pH is higher in glycine (II) buffer than in barbital buffer, since II protects the enzyme against denaturation by acids. The I of brain is activated by  $Mg^{++}$ , but not by  $Ca^{++}$ . Cysteine and  $ICH_3COOH$  do not affect its activity,  $NaF$  depresses it. I is less sensitive toward the ions of the medium than is I bound to myosin. The aq. exts. of rabbit and cattle brains remove both labile phosphate groups from adenosinetriphosphoric acid; the cattle brain exts. also split adenylic acid and inosinephosphoric acid. The I of rabbit-brain ext. is bound to 2 protein fractions which can be pptd. by addn. of 0.01 and 0.4N  $Na_2SO_4$ , resp. If exts. and ppts. are dild. with 0.01N  $Na_2SO_4$ , the activity of I is increased; this does not occur if the centrifugate is dild. in the same way. Conclusion: In rabbit brain there is an inhibitor for I which ppts. upon addn. of 0.01N  $Na_2SO_4$  almost completely from the aq. ext. together with part of the enzyme.  
Werner Jacobson

SHTUTMAN, Ts. M.

Chemical Abst.  
Vol. 48 No. 8  
Apr. 25, 1954  
Biological Chemistry

②  
Adenosinetriphosphatase activity in different parts of the brain of rabbits at different ages. Ts. M. Shtutman (Inst. Biochem., Acad. Sci. Ukr. S.S.R., Kiev). *Ukrain. Biokhim. Zhur.*, 21, 73-5(1949).—Rabbits and cattle were used. Adenosinetriphosphatase activity of rabbit brain increases with age, and in different parts of cattle brain it differs quantitatively in the following order: cortex gray matter > cerebellum > medulla oblongata > cerebral white matter. B. S. Lewine.

SHUTMAN, IS...

Isolation and study of the chemical composition of nuclei  
of the cerebral tissue. A.V. Palladin, E.IA. Bashba,  
TS... Shutman. Ukr. biokhim. zhur. 23 no. 3:265-277 '51.



SHTUTMAN, Ts. M.

5  
History of the investigation of the similarity of pepsin and rennin. A. V. Palladin, N. M. Polyakova, Ts. M. Shtutman, and K. O. Goncharova (Inst. Biochem. Acad. Sci. Ukr.S.S.R. Kiev.). *Ukrain. Biokhim. Zhur.* 25, 351-5 (1953).—A review with 8 references. B. Gutoff

~~SHUTUTMAN~~ SHUTUTMAN, I.S. M.

GONCHAROVA, Yekaterina Yemel'yanovna; POLYAKOVA, Nina Mikhaylovna;  
~~SHUTUTMAN, Tsessa Markovna~~; SNEZHIN, M.I., redaktor; PALLADIN,  
A.V., akademik, redaktor; SIVACHENKO, Ye.K., tekhnicheskii re-  
daktor.

[Outline history of biochemistry in the Ukraine] Ocherki po  
istorii biokhimii na Ukraine. Vol. 1. [Pre-Revolution period]  
Dookhtsiabr'skii period. Pod red. A.V.Palladina. Kiev, Izd-vo  
Akademii nauk USSR. 1954. 56 p. [Microfilm] (MIRA 8:2)  
(Ukraine--Biochemistry)

SHUTMAN, T. M.

✓ The distribution of bromine in the nervous system following the administration of bromides. Ts. M. Shutman. *Ukrain. Biokhim. Zhur.* 26, 64-8 (in Russian, 63-8) (1954). Following any method of bromide administration, Br reaches a max. in the blood in 3 hours and in various parts of brain in 17 hrs. Three hrs. after the bromide administration the white matter absorbs Br at a rate higher than any other part of the central nervous system (on the wet-weight basis). Approx. 8 days later more Br is found in the gray matter of the cerebral hemispheres. Generally, and in the long run, more Br is found in the gray matter than in any part of the brain. The peripheral nervous system manifests the highest affinity for Br. Here the Br absorption is rapid and its percentage content may reach that of the thyroid gland. B. S. Levine.

SKVIRSKAYA, E.B.; SHTUTMAN, T.S.M.

Conference on the biochemistry of the nervous system. Ukr.biokhim.zhur.  
26 no.2:216-225 '54. (MLRA 7:6)  
(Nervous system)

*SHUTMAN, T. M.*

*med 2*  
 / Bromine metabolism in manic-depressive psychosis. P. V. Biryukovich and T. M. Shutman, (O. O. Bogdanovskii Inst. Physiol., Kiev). *Fiziol. Zhurn. Akad. Nauk Ukr. S.S.R.* 1, No. 5, 54-60 (Russian summary 60) (1955). The Br content of blood and urine was detd. by the method of Th. Leipert and O. Watzlawek (*C.A.* 28, 6303). The av. of normal value was 0.280 mg %. The blood Br content of manic-depressive patients in the remission stage as well as during the manic and depression phases was characteristically low, being lowest during the period of attack. A temporary normalization of the level of blood Br occasionally occurred during the remission stage, showing a greater stability in remissions of longer duration. In some patients there was a considerable reduction in blood Br just prior to an attack. The lowering in blood Br content is paralleled by its increase in the urine, and vice versa. B. S. Levine

SHTUTMAN, I. S.

Effect of phenamine and of adrenaline on the elimination of halogens in rabbits. Ts. M. Shtutman and V. Yu. Sokolova (Inst. Biochem., Acad. Sci. Ukr. S.S.R., Kiev). *Ukrain. Biokhim. Zhur.* 27, 469-75 (Russian summary, 475-6) (1955).—This study was made to detn. the effect of injection of sympathomimetic substances (phenamine and adrenaline) on the elimination of Br and Cl via the urine. A single subcutaneous injection of 16 mg. of phenamine into rabbits considerably increased the excretion of Br and Cl while repeated injections sharply lowered their elimination. Injection of 0.25-0.5 mg./kg. of adrenaline likewise augmented the elimination of Br and Cl. A repeated single injection of this drug a day apart arrested the elimination of Br and sharply reduced the elimination of Cl in the majority of instances. Upon repeated daily injection of adrenaline the level of Br elimination rose during the first 24-48 hrs. and of Cl during 4-5 days, followed by the lowered elimination of both substances. The ratio of Br/Cl concn. in the urine was not a constant function; in some instances the ratio was completely reversed. B. S. Levine

MD

①

SHUTMAN, TSOBYA MARKOVNA

GONCHAROVA, Yekaterina Yemal'yanovna; POLYAKOVA, Nina Mikhaylovna;  
~~SHUTMAN, TSOBYA MARKOVNA~~; PALLADIN, A.V., akademik, redaktor;  
BRAGINSKIY, L.P., redaktor izdatel'stva; RAKHLINA, N.P., tekhnicheskii redaktor

[Biochemistry of the nervous system; a bibliography of Russian literature, 1868-1954] Biokhimiia nervnoi sistemy; bibliograficheskii ukazatel' otechestvennoi literatury, 1868-1954. Pod red. A.V. Palladina. Kiev, Izd-vo Akad.nauk USSR, 1957. 86 p.

(BIBLIOGRAPHY--NERVOUS SYSTEM)

(MLRA 10:10)

(BIBLIOGRAPHY--PHYSIOLOGICAL CHEMISTRY)

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Amount of adenosine triphosphate, creatine phosphate and lactic acid in the brain and muscles of rabbits during a state of hypothermia [with summary in English]. Ukr.biokhim.zhur. 30 no.6: 852-859 '58. (MIRA 11:12)

1. Institut biokhimii AN USSSR, Kiyev.  
(HYPOTHERMIA) (ADENOSINE TRIPHOSPHATE)  
(CREATINE PHOSPHATE) (LACTIC ACID)



SHTUTMAN, TS.H.

Metabolism of phosphorus compounds in the organism of rabbits  
subjected to the action of phenothiazine combined with cooling.  
Ukr.biokhim.zhur. 31 no.3:405-413 '59. (MIRA 12:9)

1. Institute of Biochemistry of the Academy of Sciences of  
the U.S.S.R., Kiev.  
(PHOSPHORUS METABOLISM) (COLD--PHYSIOLOGICAL EFFECT)  
(PHENOTHIAZINE)

CHAGOVETS, R.V. [Chahovets', R.V.]; SHTUTMAN, TS.M.

Effect of aminazine on acetate- $1-C^{14}$  utilization in rats. Ukr.  
biokhim. zhur. 32 no.6:890-898 '60. (MIRA 14:1)

1. Institute of Biochemistry of the Academy of Sciences of the  
Ukrainian S.S.R.

(CHLORPROMAZINE)

(ACETIC ACID)

SHIUIZAN, TS. M., CHAGOVETS, B. V., LAKHNO, YE. V., and RYSINA, A. A.  
(USSR)

"The Effect of Vitamin B1, C and Nicotinic Acid Loading on the  
Content of These Substances in the Tissues and on Certain Aspects  
of Metabolism."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-1 Aug 1961

CHAGOVETS, R.V. [Chahovets', R.V.]; SHTUTMAN, TS.M.

Changes in glucose synthesis and its utilization by the rat  
organism under the effect of aminazine. Ukr.biokhim.zhur. 34  
no.1:56-64 '62. (MIRA 17:6)

1. Institute of Biochemistry of the Academy of Sciences of the  
Ukrainian S.S.R., Kiev.

SHTUTMAN, TS.M.; CHAGOVETS, R.V.

Study of the incorporation of methionine sulfur into tissue proteins of guinea pigs with vitamin E deficiency. Biul. eksp. biol. i med. 58 no.8:57-59 Ag '64. (MIRA 18:3)

1. Laboratoriya biokhimii vitaminov (zav. - chlen-korrespondent AN UkrSSR R.V. Chagovets) Instituta biokhimii AN UkrSSR, Kiyev. Submitted July 18, 1963.

CHAGOVETS, R.V. [Chahovets', R.V.]; SHTUTMAN, TS.M.

Autoradiographic study of the effect of vitamin E deficiency on methionine- $S^{35}$  metabolism in guinea pigs. Ukr.biokhim.zhur. 37 no.5:812-817 '65. (MIRA 18:10)

1. Institut biokhimii AN UkrSSR, Kiyev.

ALEKSEYEV, G. (Moskva); MILAY, P.I., izobretatel' (Moskva); CHARKIN, P. (Yaroslavl'); TABUN, A.M., inzhener-elektrik (g. Andrushovka); KULIK, I., stroitel' (Khar'kov); IVANOV, (Zakarpats'ye); SHTUTS D., radioelektrik (Tomsk)

Drivers, how do you like it? Izobr. i rats., no. 4:22-25 Ap '61.  
(MIRA 14:4)

1. Direktor Mukachevskoy radiotelegrafnoy stantsii (for Ivanov).  
(Transportation, Automotive — Technological innovations)

ZHIRMUNSKIY, Mikhail Matveyevich; ZASUKHIN, Azat Arkad'yevich; IGRITSKAYA, Ilichezara Borisovna; SHTUTSER, Nina Pavlovna; YANITSKIY, N.F., doktor geograf.nauk, otv.red.; MARKOV, R., red.izd-va; POLENOVA, T.P., tekhn.red.

[Germany; the economic geography of the German Democratic Republic and the German Federal Republic] Germaniia; ekonomicheskaya geografiya Germaniskoi Demokraticheskoi Respubliki i Federativnoi Respubliki Germanii. Moskva, Izd-vo Akad.nauk SSSR, 1958. 708 p.

(MIRA 12:4)

(Germany--Economic conditions)



SH TUTSER, N.P.

10-58-2-26/30

The 4th Conference of Young Scientists of the Institute of Geography of the USSR Academy of Sciences 1957

(Izv. Ak Nauk SSSR, Ser Geog, 1958, No. 2, p.151-3, Gorbunova, M.N)  
machine building of the GDR; N.P. Shtutser on basic geographical features of Baden-Wuerttemberg industry; L.R. Serebryanny on some historical geographical peculiarities of the Norwegian population; V.I. Bulavin on the reasons for the relative backwardness of the USA in the field of ferrous metallurgy; L.A. Knyazhinskaya on peculiarities in the formation and development of western Indian territory; F.A. Trinich on the geography of the population and types of rural settlement in eastern Pakistan. There are 2 Soviet references.

1. Geography--Conference--USSR

Card 3/3

AUTHOR: Shtutser, N.P. SOV-12-90-4-12/22

TITLE: Changes in the Geographical Distribution of the Population of Germany from 1939 to 1955 (Ob izmeneniyakh v geografii naseleniya Germanii za 1939-1955 gg)

PERIODICAL: Izvestiya Vsesoyuznogo geograficheskogo obshchestva, 1958, Vol 90, Nr 4, pp 373-381 (USSR)

ABSTRACT: The author studies the changes in the density of population in Germany as a result of the last war. There are 4 maps, 1 table and 16 non-Soviet references.

1. Population--Density 2. Population--Germany

Card 1/1

307/10-59-4-25/29

50

Velichko, A.I., and Wints, A.A.

## AUTHORS:

TITLE: The Sixth Conference of Young Scientific Workers of the Institut Geografii AN USSR (Institute of Geography AS USSR)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya Geograficheskaya, 1959, Nr 4, pp 152-154 (USSR)

**ABSTRACT:**

The article covers the Sixth conference of Young Scientists "Forum of the Institute of Geography and Ethnography of the USSR" which took place in mid-March, 1986. 35 reports were read by the following scientific workers: I. S. Glushko reported on "Some Genetic Regularities in the Distribution of Atmospheric Freonfractions"; V. A. Potelovskov and S. A. Yevseyev commented on structural features in snow; the research in the field of "The Role of the Atmosphere in the Formation of the Climate of the USSR" and hydrological network relation between the relief and hydrological network and the latent movements in the northern

Card 1/5

[illegible]

Card 2/5

Card 3/5

304/10-59-25/29

[illegible]

Card 5/5

KRAVETS, E.M., doktor meditsinskikh nauk; SHTUTSER, N.V., redaktor;  
BOBROVA, Ye.N., tekhnicheskiiy redaktor:

[The child in his first month] Rebenok pervogo mesiatsa zhizni.  
Moskva, Gos. izd-vo med.lit-ry, 1954. 45 p. (MLBA 7:11)  
(Infants (Newborn)) (Infants (Premature))

SAL'NIKOV, Yevgeniy Pavlovich; SHTUTSER, N.V., redaktor; BEL'CHIKOVA, Yu.S.,  
tekhnicheskij redaktor

[General care of patients] Obshchii ukhod za bol'nymi. Moskva, Gos.  
izd-vo med. lit-ry, 1956. 211 p. (MLRA 9:11)  
(MEDICAL CARE)

SIGAL, Aleksandr Markovich, professor; SHTUTSER, N.V., redaktor; BEL'CHIKOVA, Yu.S., tekhnicheskii redaktor

[Digitalis and its therapeutic uses; digitalis therapy] Napravleniia  
i ee terapevticheskoe primeneniie; digitalisnaia terapiia. Izd. 2-oe,  
perer. i dop. Moskva, Gos. izd-vo med. lit-ry, 1956. 238 p.  
(DIGITALIS) (MLRA 9:12)

PIS'MENNY, Rafail Yakovlevich; SOBOLEVA, Antonina Vasil'yevna;  
SHTUTSKR, N.V., red.; BOGACHEVA, Z.I., tekhn.red.

[Electrocardiography in disability evaluation] Elektro-  
kardiografiia v praktike ekspertizy trudosposobnosti.  
Moskva, Gos.izd-vo med.lit-ry, 1959. 155 p. (MIRA 12:8)  
(DISABILITY EVALUATION) (ELECTROCARDIOGRAPHY)



TUSHINSKIY, Mikhail Dmitriyevich; YAROSHEVSKIY, Arnol'd Yakovlevich;  
Prinimali uchastiye: FILATOV, A.N.; AKKERMAN, V.V., doktor  
med.nauk; SHERMAN, S.I., prof.; TSIMMERMAN, N.A.. MYASHNIKOV,  
A.L., prof., red.; ~~SHUTTSER, N.V., red.~~; SENCHILO, K.K., tekhn.  
red.

[Blood system diseases] Bolezni sistemy krovi. Moskva, Gos.  
izd-vo med.lit-ry, 1959. 386 p. (MIRA 12:9)

1. Chlen-korrespondent AMN SSSR (for Filatov). 2. Deystvitel'nyy  
chlen AMN SSSR (for Myashnikov).  
(BLOOD--DISEASES)

KUSHELEVSKIY, Boris Pavlovich; YASINOVSKIY, Mikhail Aleksandrovich;  
RYSS, Somon Mikhaylovich; MYASNIKOV, A.L., prof., red.; ~~SHTUTSER,~~  
N.V., red.; MARSHAK, M.S., red.; BUL'DYAYEV, N.A., tekhn. red.

[Diseases of the joints. Rheumatism. Avitaminoses] Bolezni susta-  
vov. Revmatizm. Avitaminozy. Moskva, Medgiz, 1961. 398 p.

(MIRA 15:10)

1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for  
Myasnikov).

(JOINTS—DISEASES) (RHEUMATISM) (DEFICIENCY DISEASES)

SERGEYEV, Nikolay Vasil'yevich [deceased]; LEYTES, Faina L'vovna;  
SHTUTSER, N.V., red.; BALDINA, N.F., tekhn.red.

[Lesions of the cardiovascular system in influenza] Porazhenie  
serdechno-sosudistoi sistemy pri grippe. Moskva, Medgiz,  
1962. 163 p. (MIRA 15:5)  
( INFLUENZA) (CARDIOVASCULAR SYSTEM--DISEASES)

SHESTAKOV, Sergey Vyacheslavovich; SHTUTSER, N.V., red.; BASHMAKOV,  
G.M., tekhn. red.

[Angina pectoris and infarct of the myocardium] Grudnaia zhaba  
i infarkt miokarda. Moskva, Medgiz, 1962. 280 p.  
(MIRA 16:1)

(ANGINA PECTORIS) (HEART--INFARCTION)